

Attorney Docket No. 55562

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT: Endou et al.

U.S.S.N.: Not Yet Assigned

Art Unit: Not Yet Assigned

FILED: Herewith

Examiner: Not Yet Assigned

FOR: NEUTRAL AMINO ACID TRANSPORTER AND GENE THEREOF

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an  
Information Disclosure Statement for consideration by the Examiner.

**I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION**

The patents, publications or other information submitted for consideration by the  
Office are listed on PTO-1449, attached hereto.

**II. COPIES**

Submitted herewith is a legible copy of (i) each U.S and foreign patent; (ii) each  
publication or that portion which caused it to be listed; and (iii) all other information or  
that portion which caused it to be listed.

**III. CONCISE EXPLANATION OF THE RELEVANCE**

All of the patents, publications or other information are in the English language or  
were cited in an English language Search Report, a copy of which is attached hereto  
(concise explanation not required).

IDS  
Page 2

**FEES**

IV. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(b)

- a. ☒ within three months of the filing date of a national application (37 C.F.R. § 1.97(b) (1)). No fee or certification is required.
- b. ☐ within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b) (2)). No fee or certification is required.
- c. ☐ before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b) (3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below, or, if no certification has been made, charge our deposit account a fee in the amount of \$240.00 as required by 37 C.F.R. § 1.17(p).

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition, if necessary) and charge the appropriate fee to Deposit Account No. 04-1105.

Respectfully submitted,



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FORM PTO-1449		ATTY DOCKET NO.	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT		55562	Not Yet Assigned
		APPLICANT(S): Endou et al.	
		FILING DATE: Herewith	ART UNIT: Not Yet Assigned
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)			
	AA	Prasad et al., Huan LAT1, a Subunit of System L Amino Acid Transporter: Molecular Cloning and Transport Function" Biochem.Biophys. Res. Commun. (1999, Feb) p. 283-288.	
	AB	Tsurudome et al. "cutting Edge: Primary Structure of the Light Chain of Fusion Regulatory Protein Predicts a Protein with Multiple Transmembrane Domains That is Almost Identical to Amino Acid Transporter", J. Immunol. (1999, March) p. 2462-2466.	
	AC	Mastroberardino, L et al. "Amino-acid transport by heterodimers of 4f2hc/CD98 and members of a permease family" Nature (1998 Sept.) p. 288-291.	
	AD	Kanai et al. "Expression Cloning and Characterization of a Transporter for Large Neutral Amino Acids Activated by the Heavy Chain of 4F2 Antigen", J.Biol. Chem. (1999, Feb) p. 3009-3016.	
	AE	Haynes et al. "Characterization of a Monoclonal Antibody that Binds to Human Monocytes and a Subset of Activated Lymphocytes", J. Immunol. 1981, p. 1409-1414.	
	AF	Hemler et al. "Characterization of the Antigen Recognized by the Monoclonal Antibody: Different Molecular Forms on Human T and B Lymphoblastoid Cell Lines" J. Immunol. (1982) p. 623-628.	
	AG	Teixeira, S. Et al. "Primary Structure of Human 4F2 Antigen Heavy Chain Predicts a Transmembrane Protein with a Cytoplasmic NH2 Terminus", J. Biol. Chem (1987) p. 9574-9580.	
	AH	Lumadue, J.A. et al. "Cloning, Sequence, Analysis and expression of the large subunit of the human lymphocyte activation antigen 4F2" Proc. Natl. Acad. Sci. USA (1987) p. 9204-9208.	
	AI	Quakenbush et al., "Molecular Cloning of Complementary DNAs Encoding the Heavy Chain of the Human 4F2 Cell-Surface Antigen: A type II Membrane Glycoprotein Involved in Normal and Neoplastic Cell Growth" Proc. Natl. Acad. Sci. USA (1987) p. 6526-6530.	
	AJ	Broer, et al. "The 4F2hc surface antigen is necessary for expression of system L-like neutral amino acid-transport activity in kC6-BU-1 rat glioma cells: evidence from expression studies in Xenopus laevis oocytes" Biochem. J. (1995) p. 863-870.	
	AK	Yao et al. "Cloning and Functional Expression of a cDNA from Rat Jejunal Epithelium Encoding a Protein (4F2hc) with System y+L Amino Acid Transport Activity" Biochem J. (1998, March) p. 745-752.	
	AL	Gaugitsch, H.W. et al. "A Novel Expressed, Integral Membrane Protein Linked to Cell Activation" J. Biol. Chem. (1992) p. 11267-11273.	
Examiner:		Date:	